

1000

AK063502.q

4659007.q TVEKELQMLSPY-LAEADALEKAELEND FSGNGE-LDINVVINEKTAADDKELLKNSYSIHSNLPEIG-DPLDVYEMEDFG-RTDISVNS

15225633.q VVKEKLQMLSSPFGTRVDAAFSTPGLVID-ITDNAK-LDDSKIEKNMNSNSDK-YLKEGYSPFEEFVSDTTEFEGDFG-PLNTDQNS

15219476.p RTYPESEFYLIINETEDEDPMSPAFRESDCFILPEN-AEDKFITDNGFENSLRDRSSQGSLSLEASLDYVLKFLLDIG-LEDKPTELD

15219475.p DSSGSFHVKIQTGGFSFGSSQKDGSQSMHAESSKSLSWGNHETVTRDRNTERLSASTANDDMATWRRK-SSDSSSHSSVKONNATSIKCLNSPSSLSNYACEERKHADEDR-NDSSEIEDDNA

15229515.p -SGGSFHVKIQTGDGFSGSSQKDGLMHBASSKSLSWGNHETVTRDRNTERLSASTANDDMATWRRK-SSDSSRSVSKENNATSIKSVNSPSSLSNYARGEERKHADEDR-NDSSEIEDGHA

19074818.y -GASMLKNFADGGFSPSVAQRQKODDSANPEWNCDAVNRNESEDEK-GLIQSDMSIVSSTKR-CSGSSSERNLRDMDKEKVA-SRNSRNSALSHSSDTGKEEDE-ETSHGPEDPG

32416200.y -QSPTRPNEYAPPQSQQQQPPQQQQQQQQSYYTTSRQASQQLPINFYAPFAQHDHYPN-SAISSTMDSGYNDPKSPIRRMSQSQCPMPERTFVBEFRKIRGPDQLRKIN-KQPAHRANPEGG

6753698.m MAVPGHGFSPGFQPEITQVLVDVRLLPRLP-LAFRDAASAPLRLKSLVDLIXTYKHINEVYYAKKRRQAQAPPQD-SSTKKEKK

34855409.m GRAPAGLTPLRPSEPTMAMVPGHHGPFSGFPQESTQVLVDVRLLPRLP-LAFRDAATSAPLRLKSLVDLIXTYKHINEVYYAKKRRQAQAPPQD-SSTKKEKK

DYRK1B.h MAVPGHGFSPGFQPEITQVLVDVRLLPRLP-LAFRDAATSAPLRLKSLVDLIXTYKHINEVYYAKKRRQAQAPPQD-SSNKKEKK

17737359.f MHHHSSPSSEVGRAMQARI-PHMHSSPSSEVGRAMQARI-NFREPASGPLRLKSLVDLIXTYKHINEVYYAKKRRQAQAPPQD-SNNKKEKK

24642876.f SGSGGGQRHAPLYGRFVDAEDLPATHRDVMHHHSSPSSEVRAMQARI-PHMHSSPSSEVRAMQARI-NFREPASGPLRLKSLVDLIXTYKHINEVYYAKKRRQAQAPPQD-SNNKKEKK

24642880.f SGSGGGQRHAPLYGRFVDAEDLPATHRDVMHHHSSPSSEVRAMQARI-NFREPASGPLRLKSLVDLIXTYKHINEVYYAKKRRQAQAPPQD-SNNKKEKK

31241009.i MEARI-PHMHSSPSSEVGRAMQARI-VLFRDPATAPLRLKSLVDLIXTYKHINEVYYAKKRRQAQAPPQD-TSHKKERK

DYRK1A.h HSHQYSDRQPQNISSDQVSALYPSQIQQPLTN-QRMRP-QTFRDPATAPLRLKSLVDLIXTYKHINEVYYAKKRRHQQGQDD-SHHKKERK

6978787.m HSHQYSDRQPQNISSDQVSALYPSQIQQPLTNQVMPDIVMLQRRMP-QTFRDPATAPLRLKSLVDLIXTYKHINEVYYAKKRRHQQGQDD-SHHKKERK

24418935.m HSHQYSDRQPQFSIS-DQQVSALYPSQIQQPLTNQVMPDIVMLQRRMP-QTFRDPATAPLRLKSLVDLIXTYKHINEVYYAKKRRHQQGQDD-SHHKKERK

25152628.w VTQVRRHRSVTMNAEALATCPMPPEKQAKKRNIQGSTDIVFAQGMIGIFFE-STSKPLQIQFRNPQDAPVRKTSLDTKQVSKYRDRHKQGQDD-CGKPGSKDGSAC

DYRK4.h PLLGTELVGSKLSVOTKPSN1KNSRMTQVPHKNT-SVTSLPFPD1KGKNTVTSFHSIKVLLKSSLVYQVSAQDGLPEKAGERPGFSTKPVLERPRTIVGKSTVAEEENAOHNSMASELKASEIPFHFSIKTQD-PEKAEEKSKKQKV-TLAEEAPLFFK

28526538.m HLQKPSKNNKKLRVNRCPKIP-SNTAFFFVDTKGKRNITVNFQIGNKVPSKGPQMYYQ-ENQIHNVLSSELKTEIPFPNINTKAQD-TKPHFELQKHKVVP-LTVAEAPLFFK

34858476.m QLQKPSKSKKLRSLNRCSKPNSTSSAFTPVD1KGKNTVNFPHIGNKYLPGKSTLYQ-ENQIHNVLSSELKTEIPFSSTKAQDITKVQDTKLHPELKRHKVVP-LTAAEAPLFFK

31226065.i ALDYHG

17737415.f MLDRCCEMPIQLDNE-KLRLDVRLLGGSLDPLQCNNSRRLDGHNNVIAANEN-TVTTTSLNCGNGNGNGNSNNNNNNIGSPVSS-STTNSSNGNERGSSTKNSSSSGSGSGNSAS-STGSGELBKCNTP-MTPSELMKFR

32412886.y KPAAKAASSKSPSPPTDEEPPPTPSIGTSIRKLSSLSWKRASKNGNNSRMTQVDFSSVRHDSMPPPRIPISATLGMSSTTKAPSPTSSKGNTGTYLESRRRKSSASSLNIAIVQGKPSRDLVSDIGKNSQGNTSDRPLSHSSSSMKILKRAAFTNRR-QDWTADLKDLLAIEEPKRGSRKETEAA

39974187.y PAASKRAFKSPGPLSPDEEPPTPSMS-SLRKLSSLWSKRSASAKLILAGGDKPKDQHATESMPPPRLPASSTNMQLAK-KPPSPSSSKANGNNSYLESSAQLNAVQDPRKPSRDLVSDIGKNSQGNTSDRPLSHSSSSMKILKRAAFTNRR-QDWTADLKDLLAIEEPKRGSRKETEAA

17540522.w TNSTNIVTPIRASAKTMIDVIAVLPVRDTVAQAQATGLPNTVGTSSENNSGSSNSLMTQSIGGPKNHLAS-HSTLNTA8THDMHMSKIPKSPSNDSRSHTSSSGSQQGHNNSNGSNG-FRPDAVOTFG

31222829.i ESLA

DYRK2.h IGGSKHTMNDHLRVGSHAHGQIQVQQLFEDNSNKRKTVL-TTQPNGLTTVKGTLGLPPVERQLSISRHRQGSSTSILKSMBGMCVKRATP-MTPEVPLYIM

34865393.m WKACVAPERKREGEDFGIDACAVLWPVCDMAVIRHRRIGGKHTMDHLHI-SHSHQIQVQQLFEDNSNKRKTVL-TTQPNGLTTVKGTLGLPPVERQLSISRHRQGSSTSILKSMBGMCVKRASP-MTPECAMQYI

21704000.m GHQHFVNG-SEMKEVLFQEFGNRNSN-TLQSDGINSKEKSSP-ASQGKSSLSLAVKCNLSSRP-SKVL-P

34879739.m GHQHFVSG-GVMKVEQLFQEFGRRTS-TLQSDGVNSEKSSP-ASQGKSSLSLGTVKCNSLSSRP-SKVL-P

DYRK3.h DHQTFLDG-GEMKVEQLFQEFGRKSN-TIQSDGIDSEKCSPTVSQGKSSDCLNIVKNSNASSKA-PKVP-LTPECAFQYK

19113886.y KAKHEDAPDVAIPHAYIADSSTKSSYRNGKKTPTRKSRMQFINWFKPSKERSNSNGNSDASPPVIRLSITRQVSREPEKPEEIPSPVPLPSNFKDGHVPPQRSVSYTPKRSSDTSESQPSLFA-SNVLSLEPPFDKRVADLAMKAINSKRINKLDDAKVMQSSLDRACIIPTVRNTEVOLIN

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1cm8_P38g

1jwh_CK2a

23509630.z TNVLTNKNKHHSGKNLISLCFDELSSAITINNDSSLNKAIFYNEFNNSEKDIVEDICNTINYKDINMEHNTYQNDERKWMDEYCNGDYNLFRSKQLKKKEHLLSCISYNEKENKYNDQDNMINVEINNDTKVKNILYDIGNISFDENIGINNHNTINLKVIYEANKSEYGNNERLNFIKG

1200

AK063502.q

4659007.q TANKAEDAR-TDIDLALS-RFIVEEYEVFELRIFHCRKNTEGEEINK-BEPVYMNVSYG-RYRTEY-LOSAASFSKVRAQDLCWGMVDCVCLIIK-NDFDFQSDLEDEKLLKVKFN-KYDDEDEHHLRUYDFFYQ

15225633.q TAATAAEEENPTEINVDLALA-NFREYEVFELRIVHCRKNTEGEEINK-BEPVYMNVSIG-RYRTEY-LOSAASFSKVRAQDLCWGMVDCVCLIIK-NDFDFQSDLEDEKLLKVKFN-KYDDEDEHHLRUYDFFYQ

15219476.p LKTGQDQLNTDEEVDVVI-EVEDEYEVFNLRIIHWKRNTEGEEINK-BEPVYMNVSIG-RYRTEY-LOSAASFSKVRAQDLCWGMVDCVCLIIK-NDFDFQSDLEDEKLLKVKFN-KYDDEDEHHLRUYDFFYQ

15219475.p TALDDEEAVAVQEQRVQIK-AQEEEFETFLKIVHCRKNTEGEEINK-BEPVYMNVSIG-RYRTEY-LOSAASFSKAIAQHLODLCWGMVDCVCLIIK-NDFDFQSDLEDEKLLKVKFN-KYDDEADYHHLRUYDFFYR

15229515.p TSFEDEDAIVVQEQRVQIK-AQEEQDFETFLKIVHCRKNTEGEEINK-BEPVYMNVSIG-RYRTEY-LOSAASFSKAIAQHLODLCWGMVDCVCLIIK-NDFDFQSDLEDEKLLKVKFN-KYDDEADYHHLRUYDFFYR

19074818.y MKKKVLTPEFSEKIGPS-SDNDEEFDVMAKNS-QKYMHD-MLCTGCFCVWCVGSD-GEVAEKKVVK-NQJKYNYEMEVRLIRK-LYNNLNDRERVIIKDFMVK

32416200.y FISFLQALTYVHPATYRICNPG-FKVESERNR-RRVLTCKSKVKNDDGNDEDSDYIILVNDILGSEEAGKRNRYLID-VLNHGDDDDNHDYIVRSGERWL-RYREIDS-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-QDQHADYHHLRUYDFFYR

6753698.m 4659007.q VLNHGDDDDNHDYIVRSGERWL-RYREIDS-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-QDQHADYHHLRUYDFFYR

DYRK1B.h -

17737359.f LYNDGVDDEHHDYIVRKGKFL-RYREIDS-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-RADAEKRYHHLRUYDFFYR

24642876.f LYNDGVDDEHHDYIVRKGKFL-RYREIDS-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-RADAEKRYHHLRUYDFFYR

24642880.f LYNDGVDDEHHDYIVRKGKFL-RYREIDS-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-RADAEKRYHHLRUYDFFYR

31241009.i LYNDGVDDEHHDYIVRKGKFL-RYREIDS-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-RADAEKRYHHLRUYDFFYR

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25152628.w LTDFDFSTIHNAAPISTSSDNHYQODAHQNAPPLLDTNAPPTSTMVIMRTETDLDQQQQRKSSRGGGPYNNGVDD-NYDYLKRNKLFID-RYRVLWLSDTPKVKGSGFCGVVTKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-AHDCKRNYVNTLKGFFV

DYRK4.h NQLSPYEQSEILGYAELWFLG-LEAKKLDTAPEKFSKT-SPDDEHGYLKVLDHAY-RYEVLE-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-RKCKDNTLNVVKDFFP

28526538.m NQLSPYEQSEILGYAELWFLG-LEAKKLDTAPEKFSKT-SFDDEHGYLKVLDHAY-RYEVLE-MICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-RKCKDNNNVVKMDFDFP

34858476.m NQLSPYEQSEILGYAELWFLG-LEAKKLDTAPEKFSKT-SFDDEHGYLKVLDHAY-RYEVLE-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-RKCKDNNNVVKMDFDFP

31226065.i VHLTDKEQEIEKYKEIYVYLG-LDARKLINAQPKGVGANS-GFDDDENGCYQKIVDHEHICY-QEASKHYNKPATANTNLQYDDEHHDYIHDHIAF-RYEVLE-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-KKODADGSHHVILMDFYFPR

17737415.p NYLTDDEEFLKVVYKEVYVYLG-QEASKHYNKPATANTNLQYDDEHHDYIHDHIAF-RYEVLE-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-EKODAGSHNVILMDFYFPR

32412888.y RTLDALRKRAATAKERVGPQEAIRIAVNLNITYERGEIVDYDNYDIFVFCGT-QNAAKAVVNCVQNSDLEN-FGYDDDEGHDGDSIIHCFVPLHAY-RYEVLE-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-EMDCKNKHMEVNETHFPR

39974187.y KTLDALRKRAASPKERVSPQDAIRIAMLNITYERGEIVDYDNYDIFVFCGT-QNAAKVVGDLKSSIIEN-FGYDDDEGHDGDSIIHCFVPLHAY-RYEVLE-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-EMDCKNKHMEVNETHFPR

17540522.w AKLVPFKEEYIINYTRVFFVQ-SHAKVQAVIGGANNG-RYEVLE-LICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-RKCKDNTLNVVKDFFP

31222829.i DKLTOYEHEIYNYRIVYFICG-ANAKKRR-GAGNS-YDNEBQGZIYHIAEDHAY-RYEVLE-IICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NECRFPQDDEEIRLKEIDR-AOPRYNSMIIHMYDFVFR

DYRK2.h QKLTAFFEHEIIFSYPEIYFLG-LNAKKRQGMTGPPNGN-GYDDDDOGSJVWVPPHDFHVAY-RYEVLE-KICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-RKODKDNMNVIIHMLEFPR

34865393.m QKLTAFFEHEIIFSYPEIYFLG-PNAKKRQGMTGPPNGN-GYDDDDOGSJVWVPPHDFHVAY-RYEVLE-KICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-RKODKDNMNVIIHMLEFPR

21704000.m HHLTAYEKLLEIISYRIVYFVG-PNAKKRQGVIGGGPNNG-GYDDDDAGDQYIHWVPRHAY-RYEVLE-IICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-KOKTGSMMVIIHMLEFPR

34879739.m HHLTAYEKLLEIISYRIVYFVG-PNAKKRQGVIGGGPNNG-GYDDDDAGDQYIHWVPRHAY-RYEVLE-IICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-KOKTGSMMVIIHMLEFPR

DYRK3.h HHLTAYEKLLEIISYRIVYFVG-PNAKKRQGVIGGGPNNG-GYDDDDAGDQYIHWVPRHAY-RYEVLE-IICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-KOKTGSMMVIIHMLEFPR

19113886.y TAPLTEYEQDEINNYDNYIFTGL-RNVDKRSADENTSSN-FGDDDERGDYKIVLQEDHAY-RYEVLE-FICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-EMDCKTDEYCMVQYTDFFPR

1how_Ymr21 -

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1cm8_P38g -

1jwh_CK2a -

23509630.z QITLNKVKVVKLSQLTQFLTKCLN-LLYKVKVDTQFLVPLYCHYKMDSEITDCKKKKLNWKEVNLNTIKKKKNNYRQH-MSGFVPSARVYTDVNTHPREWVYEWNGQ-RYEVLE-FICKKGSFCGVVVKAYH-QDQHOTQELVIAIKIIC-NKKAFLNQAOIPELRLLEEN-RGPKDNLLEELMNFPR

	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	18
AK063502.q	YILQINP RKRK	PASEAL CHPIL	LSAYAQ																	
46590007.q																				
15225633.p	TLLDINPLR	RTALEALHPE	LSSSSSYN																	
15219476.p	HILEINPKKR	SAAEALHPE	LISYPYEPI																	
15219475.p	HILEINPKKR	SAAEALHPE	LISYPYEPI	ISA-																
15229515.p	YILQDNP RKRK	SAAEALHPE	LITTYEPI	ISA-																
19074818.y					NMLIKFLLRALQPSHLIRPDAKSLA-															
32416200.y	GILTINPLR	SPQAKLHPE	ITQSFKTFPPVPMNLKQGQOQIQA EAFFS																	-AGVSQS
6753698.m	RMLIEEP PAARIS	SPCALGHPE	FERRTADEATNTG	PAGSSA STSPAPLDTC	CSSTASSIS-															
34855409.m	RMLIEEP PAARIS	SPCALGHPE	FERRTADEATNTG	PAGSSA STSPAPLDTC	CSSTASSIS-															
DYRK1B.h	RMLIEEP PAARIS	SPCALGHPE	FERRTADEATNTG	PAGSSA STSPAPLDTC	CSSTASSIS-															
17737359.f	RMLIDDP PKUR	SPYALHPE	FRRTKADEATNTG	PAGSSA STSPAPLDTC	CSSTASSIS-															
24642876.f	RMLIDDP PKUR	SPYALHPE	FRRTKADEATNTG	PAGSSA STSPAPLDTC	CSSTASSIS-															
24642880.f	RMLIDDP PKUR	SPYALHPE	FRRTKADEATNTG	PAGSSA STSPAPLDTC	CSSTASSIS-															
31241009.i	RMLIDDP PKUR	SPYALHPE	FRRTKADEATNTG	PAGSSA STSPAPLDTC	CSSTASSIS-	A														
DYRK1A.h	RMLIDDP PKUR	SPYALHPS FHKKTADEGTNT	SNS-VSTSPAMEQS SGTTSSTSS	SSGGSGT ESNGRARS	DPTHQRHSGG	HFTAAV QMDCTHES	PQVRQ FFAPLGWS	WGSCTE	APTVTV	ETTHV	VQETTV	ETTHV	APTVTV	ETTHV	VQETTV	ETTHV	VQETTV	ETTHV	S-HHHHHHHHHHHHHHHHHQQLG-	
6978787.m	RMLIDDP PKUR	SPYALHPS FHKKTADEGTNT	SNS-VSTSPAMEQS SGTTSSTSS	SSGGSGT ESNGRARS	DPTHQRHSGG	HFTAAV QMDCTHES	PQVRQ FFAPLGWS	WGSCTE	APTVTV	ETTHV	VQETTV	ETTHV	APTVTV	ETTHV	VQETTV	ETTHV	VQETTV	ETTHV	S-HHHHHHHHHHHHHHHHHQQLG-	
24418935.m	RMLIDDP PKUR	SPYALHPS FHKKTADEGTNT	SNS-VSTSPAMEQS SGTTSSTSS	SSGGSGT ESNGRARS	DPTHQRHSGG	HFTAAV QMDCTHES	PQVRQ FFAPLGWS	WGSCTE	APTVTV	ETTHV	VQETTV	ETTHV	APTVTV	ETTHV	VQETTV	ETTHV	VQETTV	ETTHV	S-HHHHHHHHHHHHHHHHHQQLG-	
25152628.w	RMLIDDP PKUR	SPYALHPS FHKKTADEGTNT	SNS-VSTSPAMEQS SGTTSSTSS	SSGGSGT ESNGRARS	DPTHQRHSGG	HFTAAV QMDCTHES	PQVRQ FFAPLGWS	WGSCTE	APTVTV	ETTHV	VQETTV	ETTHV	APTVTV	ETTHV	VQETTV	ETTHV	VQETTV	ETTHV	S-HHHHHHHHHHHHHHHHHQQLG-	
DYRK4.h	RCLIVW PSLRMPD	CALKHAI	HQSNRLNQK PQPRTLRKS	NSSFP TSEPKRDKVCG		SPSVGV VVBDNM	YRQAGSSANP	-ISVTSF EDGAMVEDARRFS	SAHQH YINPNYQ	YQ PQO	YQ PQO	YQ PQO	YQ PQO	YQ PQO	YQ PQO	YQ PQO	YQ PQO	YQ PQO	V	
28526538.m	RCLIVW PSLRMPD	CALKHAI	HQSNRLNQK PQPRTLRKS	NSSFP TSEPKRDKVCG		CHHS- SRKD	DELTKE TKE	TDKL	KD SPTK	HVQHSGDQ DCLQ	GADTV PQL									
34858476.f	RCLIVW PSLRMPD	CALKHAI	HQSNRLNQK PQPRTLRKS	NSSFP TSEPKRDKVCG		QQASKGK DEAT	KETTDKL		KDEAEKH LENSGK	QSS VENT	ADTIQ LPHL									
31226065.i	KIDE	DPKHRMTP EPAARH	ELQVAS KAYIGS	KSKESSDTQ LNFHLKQO			RSQP-	MTP NTILP	EIK TPS	NRTLRF TVERVKA	IDLETA	QQSS LHRLT								-NVR
17737415.f	RCLIE	DPABRMP PDEAAH	HEP FQPSASSR	RHSCRM SSSSSSGLNSV	QSKSCYS FSEISPGT	NPGVVA	SITSTT	AVHNAA	IATT	TKS RQPPS	QSHGAQ NGHLP	DIKL SADK	YNSMQ KVAVRS	KLTSV SDLES	VQOYS	LHRYX GGVSG	GSTH	VHSSA	ATRK	HLP GTDANG
32412886.y	RCLIE	DPABRMP PDEAAH	HEP FQPSASSR	RHSCRM SSSSSSGLNSV	QSKSCYS FSEISPGT	NPGVVA	SITSTT	AVHNAA	IATT	TKS RQPPS	QSHGAQ NGHLP	DIKL SADK	YNSMQ KVAVRS	KLTSV SDLES	VQOYS	LHRYX GGVSG	GSTH	VHSSA	ATRK	HLP GTDANG
39974187.y	RCLIE	DPABRMP PDEAAH	HEP FQPSASSR	RHSCRM SSSSSSGLNSV	QSKSCYS FSEISPGT	NPGVVA	SITSTT	AVHNAA	IATT	TKS RQPPS	QSHGAQ NGHLP	DIKL SADK	YNSMQ KVAVRS	KLTSV SDLES	VQOYS	LHRYX GGVSG	GSTH	VHSSA	ATRK	HLP GTDANG
17540522.w	RCLIE	DPABRMP PDEAAH	HEP FQPSASSR	RHSCRM SSSSSSGLNSV	QSKSCYS FSEISPGT	NPGVVA	SITSTT	AVHNAA	IATT	TKS RQPPS	QSHGAQ NGHLP	DIKL SADK	YNSMQ KVAVRS	KLTSV SDLES	VQOYS	LHRYX GGVSG	GSTH	VHSSA	ATRK	HLP GTDANG
31222829.i	RCLIE	DPABRMP PDEAAH	HEP FQPSASSR	RHSCRM SSSSSSGLNSV	QSKSCYS FSEISPGT	NPGVVA	SITSTT	AVHNAA	IATT	TKS RQPPS	QSHGAQ NGHLP	DIKL SADK	YNSMQ KVAVRS	KLTSV SDLES	VQOYS	LHRYX GGVSG	GSTH	VHSSA	ATRK	HLP GTDANG
DYRK2.h	OCLIE	DPAVRMTP CAGALRHP	MLRRL KPKPT	-GEK TSVKR	ITESTGA															
34855393.m	OCLIE	DPAVRMTP CAGALRHP	MLRRL KPKPT	-GEK TSVKR	ITESTGA															
32414288.y	RCLIE	DPAVRMTP CAGALRHP	MLRRL KPKPT	-GEK TSVKR	ITESTGA															
39974187.y	RCLIE	DPAVRMTP CAGALRHP	MLRRL KPKPT	-GEK TSVKR	ITESTGA															
17540522.w	RCLIE	DPAVRMTP CAGALRHP	MLRRL KPKPT	-GEK TSVKR	ITESTGA															
31222829.i	RCLIE	DPAVRMTP CAGALRHP	MLRRL KPKPT	-GEK TSVKR	ITESTGA															
DYRK3.h	OCLIE	DPAVRMTP CAGALRHP	MLRRL KPKPT	-GEK TSVKR	ITESTGA															
19113886.y	DCLIE	DPRMRP PQOAH	HD FLTGQD	VRR	NTAPAR	QK FARPN	NIETAP	IPR PLP												
1how_Ymr21	PMQJQD	PRKR	DAAGL	VLH	WIK	KDIL	LG	MEEIR												
1fvv_CDk2	OMLF	DPKR	AKA PFF	QDV	TKP	-	-	-	VPH	RL										
1cm8_P38g	KMIV	DAEGRV	TAIG	ALH	PHE	LSHD	TEDE	PQVKY	DDY	FDD	VDR	Y	DEW	KVR	TY	KEVL				
1jwh_CK2a	KLPR	DHQSL	TAIG	AMH	PHE	MTY	TV	VVK	QD	ARM	MGSS									
23509630.z	DFFR	LNKKDN	LT	DKL	LNKKN	N	NT	P	RKR	NNNN	E	IYY	D	CY	P	SD	NLL	KNNF	QISDTLF	

